



PATENT ABSTRACTS OF JAPAN

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NAKADA SHIOO(54) **VACUUM ARC DESCALING METHOD AND
DEVICE THEREFOR**

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(57) Abstract:

PURPOSE: To prevent the growth of scale by a heat treatment and to prevent reoxidation after the heat treatment by effectively utilizing the heat input by an arc treatment to the heat treatment in the vacuum arc descaling method.

CONSTITUTION: The heat treatment by the heat input by a vacuum arc, electrical heating in a material 20 to be treated with a vacuum arc current and electrical heating with the current by an electrical heating power source is executed at the time of the vacuum arc descaling treatment. The reoxidation is prevented by cooling with a nonoxidative atmosphere 21 after the heat treatment. For example, a hot rolled sheet of a stainless steel is used as the material to be treated and a soln. heat treatment of chromium carbide is used as the heat treatment, by which the simultaneous execution of the heat treatment and the descaling treatment is possible while the descaling treatment is heretofore executed by an acid after the heat treatment.

